

## DISTRIBUTIONAL ADDITIONS FOR SOME ILLINOIS VASCULAR PLANTS

R. D. Henry and A. R. Scott

R. M. Myers Herbarium and Institute for Environmental Management  
Western Illinois University, Macomb 61455

### ABSTRACT

Two hundred fifty-eight Illinois vascular plant species county distribution additions are reported. Additionally are also included some collections of fifteen varieties, seventeen forms and thirteen non-nomenclatural variants.

### INTRODUCTION

As part of a continuing effort to update the spontaneous Illinois vascular plant flora, we report 258 county species distribution additions as determined mainly from Mohlenbrock and Ladd (1978), Mohlenbrock (1985) and Ladd and Mohlenbrock (1983). Nomenclature mainly follows Mohlenbrock (1975) and the taxa are listed alphabetically. Each plant is annotated with the county collected in, the collection number(s) of Henry and Scott or if another collector their name and collection number and in a few cases a brief remark concerning the plant. Voucher specimens are deposited in the R. M. Myers Herbarium of Western Illinois University (MWI).

Also, in addition, are included in this report collections of 15 varieties, 17 forms and 13 non-nomenclatural variants of which eight are flower color, one flower morphology, one vivipary, one leaf morphology and two gigantism.

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### LIST OF SPECIES

Abutilon theophrasti  
Brown (1250)  
Schuyler (1259)

Ailanthus altissima  
Mason (1278)  
Schuyler (1258)

Acer nigrum  
Pike (5071, 5397)

Alliaria officinalis  
Fulton (4556, 4557, 4558,  
4559)

Allium sativum  
Pike (5225, 5348, 5349)

Alnus glutinosa  
Hancock (4772, 4773, 4774,  
4775)  
Henderson (4795, 4796)

Both county collections were made from spontaneous plants growing at the edge of the Mississippi River in 1982. The Hancock County tree was about 25 feet tall and 22 inches in diameter; the Henderson County tree was several feet tall.

Alopecurus pratensis  
McDonough (4113)

Althaea rosea  
Pike (5120)  
Warren (1293)

Amaranthus graecizans  
Brown (1237)  
Warren (1126)

Amaranthus hybridus  
Warren (1141)

Ambrosia bidentata  
Brown (1224)

Amphicarpa bracteata var.  
comosa  
Warren (1143)

Andropogon virginicus  
Knox (4867)  
McDonough (4184)

Arenaria serpyllifolia  
Henderson (4821)

Asclepias tuberosa var.  
interior  
Brown (1232)  
Fulton (Kuzniar s.n.)

Asparagus officinalis  
Brown (1251)

Asplenium rhizophyllum  
Fulton (Kuzniar BM-1)

Aster cordifolius  
Warren (1120, 1121)

Aster lateriflorus  
Warren (1203, 1204)

Aster praealtus  
Pike (4958, 5387, 5465)

Aster puniceus var. lucidulus  
Pike (4957)

Aster shortii  
Warren (1117)

Astragalus canadensis  
Pike (5094)

Bacopa rotundifolia  
Adams (4697, 4698, 4699,  
4700)

Baptisia leucantha  
Pike (5216)

Barbarea vulgaris var. arcuata  
Warren (1123)

Bidens connata  
Fulton (4627)

Bidens frondosa  
Warren (1154)

Bidens vulgata  
Pike (5502)

Brassica kaber var.  
schkuhriana  
Fulton (4572)

Brassica nigra  
Brown (1235)

- Brickellia eupatorioides  
Schuyler (1256)
- Bromus japonicus  
Pike (5043)
- Bromus racemosus  
Pike (5041, 5042)
- Cacalia atriplicifolia  
Warren (1179)
- Cacalia tuberosa  
Pike (5170)
- Calystegia sepium var.  
americana  
Brown (1252)
- Campsis radicans  
Warren (1173)
- Cardamine douglassii  
Pike (5289)
- Cardamine hirsuta  
Fulton (4560, 4561, 4562)
- Carex albursina  
Pike (5240)
- Carex bushii  
Pike (5277)
- Carex conoidea  
Pike (5233, 5236)
- Carex crus-corvi  
McDonough (4259)
- Carex gracilescens  
Pike (5269)  
Warren (1118, 1119)
- Carex jamesii  
Pike (5235, 5423)
- Carex lanuginosa  
Pike (5232)
- Carex lupuliformis  
Warren (1186)
- Carex lupulina  
Pike (5110, 5278, 5425,  
5426)
- Carex muskingumensis  
McDonough (4260)
- Carex sparganioides  
Pike (5272)
- Carex squarrosa  
Pike (5279)
- Ceratophyllum demersum  
Pike (5176, 5177, 5200)
- Chenopodium dessicatum var.  
leptophylloides  
Fulton (1284)
- Chloris verticillata  
Pike (4924, 4925, 4926)
- Chrysanthemum leucanthemum  
Pike (5168)
- Cinna arundinacea  
Warren (1187)
- Citrullus vulgaris  
McDonough (4106)
- Clematis dioscoreifolia  
McDonough (4134, 4135)
- Clematis virginiana  
Warren (1176)
- Commelina communis  
Brown (1229)
- Coreopsis tripteris  
Warren (1157)
- Coronilla varia  
Pike (5148, 5149)

- Corydalis micrantha  
Adams (4742, 4743)  
McDonough (4530)
- Crataegus crus-galli  
Pike (5337)
- Crataegus pruinosa  
Pike (5129)
- Crepis tectorum  
Hancock (1288, 1289, 1290)
- Cucurbita foetidissima  
Henderson (4819, 4820)
- Cucurbita moschata  
Pike (5434, 5486, 5487)
- This plant was growing spontaneously by a roadside in 1985.
- Cucurbita pepo  
McDonough (4096, 4097)  
Pike (5488)  
Schuyler (4899, 4900)
- These plants were growing spontaneously by a roadside (Pike and Schuyler in 1985) and in a cattle pasture (McDonough in 1983).
- Cuscuta campestris  
Pike (4943)
- Cuscuta cuspidata  
Schuyler (4868, 4869)
- Cuscuta polygonorum  
Pike (4944)
- Cynanchum laeve  
Warren (1167)
- Cynoglossum officinale  
McDonough (4210)
- Delphinium ajacis  
McDonough (4328)
- Desmanthus illinoensis  
Warren (4938, 4939, 4940)
- Desmodium dillenii  
Fulton (4610, 4611, 4612)
- Dicentra canadensis  
McDonough (4197, 4198)
- Dipsacus laciniatus  
Henderson (4799, 4800, 4801)
- Dipsacus sylvestris  
Adams (4676)  
McDonough (4085, 4086, 4212, 4213)
- Draba verna var. boerhaavii  
McDonough (4114)
- Dyssodia papposa  
McDonough (4132)
- Eleocharis acicularis  
Pike (5254, 5578)
- Eleocharis obtusa  
Pike (5253, 5255, 5256)
- Eleocharis obtusa var. detonsa  
Fulton (4591)
- Eleocharis palustris  
Pike (5257, 5258)
- Elodea nuttallii  
Adams (4729, 4730)
- Equisetum laevigatum  
Warren (1114)
- Eragrostis poaeoides  
Brown (1236)
- Erechtites hieracifolia  
Warren (1191)
- Erysimum repandum  
Warren (1113)

- Erythronium americanum  
McDonough (4194, 4195)
- Euonymus alatus  
McDonough (Gessner s.n.)
- Plant found growing spontaneously (perhaps from bird-carried seed) in a ravine in 1984. This plant was transplanted to a residence from where this specimen was collected.
- Euonymus atropurpureus  
Warren (1183)
- Euonymus fortunei  
Pike (5175)
- Euphorbia cyparissias  
Pike (5389)
- Euphorbia obtusata  
McDonough (4458, 4459)
- Fagopyrum esculentum  
McDonough (1268)
- Gaura biennis  
Henderson (4860)
- Gentiana puberulenta  
Adams (4660, 4661)
- Glechoma hederacea  
Adams (C. Strodes' daughter s.n.)  
Brown (1209)
- Glycine max  
Warren (1134)
- Helianthus annuus  
Brown (1228)  
Warren (1160)
- Helianthus hirsutus  
Pike (5093, 5390, 5428)
- Helianthus strumosus  
Warren (1170, 1171)
- Hesperis matronalis  
Pike (5159)
- Hieracium aurantiacum  
Winnebago (Akerman 37)
- Holosteum umbellatum  
Warren (1111)
- Humulus japonicus  
Pike (5183)
- Hypericum spathulatum  
Pike (5064, 5150, 5204)
- Ipomoea hederacea  
Warren (1161, 1162)
- Ipomoea purpurea  
Pike (5446)  
Warren (1163, 1164)
- Iris germanica  
Pike (5410)
- Iva xanthifolia  
McDonough (4346)
- Juncus torreyi  
Pike (5358, 5421, 5477)
- Lamium amplexicaule  
Brown (1210)  
Warren (1116)
- Lamium purpureum  
Adams (4738)  
Brown (1211, 1212)  
Schuyler (1253)
- Lathyrus latifolius  
Pike (5198)
- Lemna minor  
Brown (1226)

Leptochloa acuminata  
Pike (4989, 4991)

Lespedeza cuneata  
Pike (5429, 5432, 5433,  
5493)

Lespedeza intermedia  
Pike (5431)

Lespedeza stipulacea  
Fulton (4595)

Lesquerella gracilis  
Pike (5161)

Mohlenbrock (1980) p. 203 states this alien plant is known only from two 1894 collections along a railroad in Cook County. This 1985 collection was from a roadside.

Lindera benzoin  
Brown (1217)

Linum usitatissimum  
McDonough (1269)

Liquidambar styraciflua  
Hancock (Witter s.n., Henry  
& Scott 4781)

Tree about 18 feet tall that appears planted in a lawn about 50 feet from the Mississippi River but owner says not planted and that he mowed around it as a young tree when the area was weeds to later have a tree in the lawn. Specimen collections were made in 1982.

Lithospermum arvense  
Brown (1215)  
Warren (1112)

Lolium multiflorum  
Pike (5040)

Lolium perenne  
Pike (5039)

Lonicera japonica  
Pike (5492)

Lonicera maackii  
McDonough (1264)

Lonicera morrowi  
McDonough (4204)

Lonicera tatarica  
Brown (1240)

Lycopersicum esculentum  
Peoria (4864)  
Pike (5215, 5501)

Lycopus uniflorus  
Pike (5362)

Lythrum salicaria  
McDonough (4333)

Malus pumila  
Pike (5054, 5333)

Malva rotundifolia  
Warren (1174)

Mimulus ringens  
Warren (1158, 1159)

Miscanthus sacchariflorus  
McDonough (4108, 4109,  
4110)

Mollugo verticillatus  
Warren (1199, 1200)

Muhlenbergia racemosa  
Warren (1110)

Myosurus minimus  
Brown (1213)

Myriophyllum heterophyllum  
Pike (4919, 4920)

- Najas gracillima  
Adams (Thurow s.n.)
- Najas guadalupensis  
Pike (5346, 5347)
- Najas minor  
Adams (4674, 4675)  
Brown (1225)  
Fulton (4583)
- Narcissus pseudo-narcissus  
Brown (1208)
- Onosmodium occidentale  
Pike (5305, 5306)
- Panax quinquefolius  
Warren (Perry & Johnson s.n.)
- Panicum gattereri  
Pike (5612)
- Papaver somniferum  
McDonough (1270)
- Paronychia canadensis  
Pike (5302)
- Paspalum laeve  
Adams (4708)  
Pike (5554, 5555, 5556)
- Paspalum pubiflorum var.  
glabrum  
Pike (5552, 5553)
- Phalaris canariensis  
McDonough (1261, 1262, 1263)
- Phlox paniculata  
Warren (1177)
- Physocarpus opulifolius  
Pike (5130, 5191, 5192, 5193)
- Pinus resinosa  
McDonough (4185, 4189)
- Spontaneous seedling plants collected in 1983 in an oak-hickory forest at Argyle Lake State Park. Source of seed for these was presumably from now mature trees planted in 1948 and 1949.
- Pinus strobus  
McDonough (4186, 4187, 4188)
- Spontaneous seedling plants collected in 1983 in an oak-hickory forest at Argyle Lake State Park. Source of seed for these was presumably from now mature trees planted in 1948 and 1949.
- Pinus sylvestris  
Fulton (4553)
- Spontaneous young plant collected in 1984 in a remote area of an old strip mine area now vegetated with a Populus deltoides-Acer negundo forest.
- Plantago pusilla  
Pike (5345)
- Poa annua  
Brown (1216)
- Poa chapmaniana  
Fulton (4607, 4608)
- Polanisia dodecandra  
Warren (1188)
- Polygonum convolvulus  
Brown (1248)
- Polygonum cuspidatum  
Pike (5127, 5128, 5194, 5195)

- Polygonum erectum  
Schuyler (1257)
- Polygonum hydropiper  
Pike (5089, 5224)
- Polygonum persicaria  
Brown (1238)
- Polygonum ramosissimum  
Adams (4720, 4721)
- Polygonum sagittatum  
Warren (1195, 1196)
- Polygonum virginianum  
Warren (1150)
- Populus alba  
McDonough (1271, 1272)
- Populus grandidentata  
Mason (1279)
- Portulaca grandiflora  
McDonough (4105)
- Potamogeton crispus  
McDonough (4218, 4219, 4220,  
4473, 4474)
- Potamogeton illinoensis  
McDonough (4145, 4248, 4249,  
4250, 4251)
- Potamogeton nodosus  
Pike (5391)  
Warren (1190)
- Potentilla recta  
Brown (1247)
- Prunus mexicana  
Henderson (4825)
- Ptelea trifoliata  
Warren (1144)
- Pueraria lobata  
Fulton (Howe s.n.)
- Spontaneous away from a road-  
side by which it presumably  
was originally planted;  
specimen collected in 1985.
- Quercus bicolor  
Pike (5392, 5412, 5447)
- Quercus imbricaria  
Warren (1201)
- Quercus muhlenbergii  
Warren (1147)
- Ranunculus fascicularis  
Pike (5330, 5331)
- Ratibida pinnata  
Schuyler (1254)
- Ribes odoratum  
McDonough (4190, 4191)
- Rorippa sylvestris  
Warren (1124, 1125)
- Rubus argutus  
Brown (1246)
- Rudbeckia laciniata  
Warren (1151, 1152)
- Ruellia strepens  
Warren (1148, 1149)
- Sagittaria calycina  
Pike (5211, 5212)  
Warren (1153)
- Salsola kali var. tenuifolia  
Warren (1127)
- Scirpus validus  
Adams (4724, 4725)
- Scleria triglomerata  
McDonough (4311, 4312,  
4313)



- Sedum purpureum  
Pike (4917, 4918)
- Sedum ternatum  
Pike (Thurow s.n.)
- Silene antirrhina  
Brown (1234)
- Silphium laciniatum  
Warren (1138, 1139, 1140)
- Sisymbrium loeselii  
Pike (5292, 5293)
- Solanum dulcamara  
Warren (1130, 1131)
- Solidago rigida  
Schuyler (4891)
- Sonchus arvensis var.  
glabrescens  
McDonough (Reese s.n.)  
Warren (1294, 1295, 1296,  
1297)
- Sorghum halepense  
Brown (1218, 1219, 1220)
- Spiranthes cernua  
Pike (4945)
- Taxodium distichum  
McDonough (4318, 4319,  
4320)
- Spontaneous seedling and sapling  
plants collected in 1984 on a  
floodplain near where the now  
mature trees were planted in  
1949.
- Thalictrum revolutum  
Warren (1122)
- Thaspium barbinode  
Pike (5117, 5313)
- Tragopogon dubius  
Warren (1132, 1133)
- Tragopogon pratensis  
Brown (1233)
- Tribulus terrestris  
Brown (1239)
- Trifolium campestre  
Fulton (4584)  
McLean (1280)
- Triticum aestivum  
Fulton (4588)  
Warren (1115)
- Ulmus pumila  
Pike (5118)
- Verbena bracteata  
Warren (1136, 1137)
- Verbena canadensis  
McDonough (4207, 4208)
- Vernonia missurica  
Warren (1169)
- Viola sagittata  
Pike (5311)
- Viola striata  
McDonough (4373, 4374,  
4375, 4376)
- Viola triloba  
Pike (5312)
- Wolffia columbiana  
Pike (5143)  
Warren (1197)
- Yucca filamentosa var. smalliana  
Pike (5142)  
Warren (1189)
- Zannichellia palustris  
McDonough (5616, 5617, 5618,  
5619, 5620)
- Zea mays  
Warren (1181)

LIST OF VARIETIES

- |   |  |
|---|--|
| <u>Amorpha fruticosa</u> var. <u>angustifolia</u><br>Pike (1618, 1619)                        | <u>Lindernia dubia</u> var. <u>riparia</u><br>Adams (4707)<br>Henderson (4810)   |
| <u>Bidens aristosa</u> var. <u>retrorsa</u><br>Schuyler (1253)                                | <u>Ludwigia alternifolia</u> var. <u>pubescens</u><br>Henderson (4842)   |
| <u>Brassica kaber</u> var. <u>schkuhriana</u><br>Cass (2732)                                  | <u>Polygala verticillata</u> var. <u>isocycla</u><br>Adams (4669)  |
| <u>Calystegia sepium</u> var. <u>repens</u><br>Warren (4933)                                  | <u>Rorippa islandica</u> var. <u>islandica</u><br>Fulton (4577)<br>Henderson (1575, 1576, 4793, 4794)<br>McDonough (Coon, Martin & Guilinger 15) |
| <u>Carex muhlenbergii</u> var. <u>enervis</u><br>McDonough (4462)                             | <u>Teucrium canadense</u> var. <u>occidentale</u><br>Cass (4908)<br>Fulton (4589, 4590)  |
| <u>Desmodium cuspidatum</u> var. <u>longifolium</u><br>Warren (1184, 1185)                    | <u>Vitis aestivalis</u> var. <u>argentifolia</u><br>Schuyler (4893, 4894)  |
| <u>Eleocharis obtusa</u> var. <u>detonsa</u><br>Adams (4686, 4687)<br>Pike (5400, 5576, 5577) | <u>Xanthium strumarium</u> var. <u>canadensis</u><br>Fulton (4602, 4622, 4623)   |
| <u>Geum laciniatum</u> var. <u>trichocarpum</u><br>McDonough (4434)                           |  |

LIST OF FORMS

- |   |   |
|---|---|
| <u>Achillea millefolium</u> f. <u>rosea</u><br>McDonough (4538, 4539, 4540) | <u>Cirsium discolor</u> f. <u>albiflorum</u><br>McDonough (4133)<br>Warren (1180) |
| <u>Aster novae-angliae</u> f. <u>rosarius</u><br>Fulton (4636)              | <u>Daucus carota</u> f. <u>epurpuratus</u><br>Pike (5115)                         |
| <u>Cichorium intybus</u> f. <u>roseum</u><br>Pike (5388)                    | <u>Gentiana andrewsii</u> f. <u>albiflora</u><br>McDonough (4496)                 |

Medicago sativa f. alba  
Fulton (4570)

Monarda fistulosa f. albescens  
McDonough (1276, 1277)  
Scott (1291)

Muhlenbergia frondosa f.  
commutata  
Pike (5536)

Oxalis violacea var. violacea  
f. albida  
Pike (5124)

Phalaris arundinacea f. picta  
Hancock (4783)  
Pike (5559, 5560, 5561)

Phlox paniculata f. alba  
Warren (1178)

Trifolium pratense f.  
leucochraceum  
Pike (5081)  
Warren (1128)

Trillium recurvatum f. luteum  
Pike (5351)

Trillium recurvatum f. shayii  
McDonough (4199, 4200)  
Pike (5350)

Verbena stricta f. roseiflora  
McDonough (1275)

Viola pedata f. alba  
Fulton (Kuzniar s.n.)

LIST OF NON-NOMENCLATORIAL VARIANTS

Flower Color

Blephilia hirsuta  
white flowers  
McDonough (4299)

Eupatorium serotinum  
rose-purple flowers  
Adams (4662)

Gerardia skinneriana  
white flowers  
McDonough (4139)

Medicago sativa  
yellow flowers  
Fulton (4569)

Medicago sativa  
blue-purple flowers  
Fulton (4568)

Mimulus alatus  
pale pink flowers  
Pike (5205)

Rudbeckia hirta  
rays yellow orange  
Pike (5209)

Rudbeckia hirta  
rays lemon yellow  
Pike (5208)

Flower Morphology

Helianthus grosseserratus--has only ray flowers and no disc flowers  
McDonough (4314)

## Vivipary

Tradescantia ohiensis--viviparous

Adams (4665)

Pike (4916)

## Leaf Morphology

Ambrosia trifida--leaves deeply divided into narrow segments

Pike (5374, 5375, 5376)

## Gigantism

Asclepias verticillata--possible tetraploid.

Pike (5068)

This plant (and one other about 18 feet away) was notably more robust, about twice as tall (36 inches), greener in color and with parts about twice the size as the other plants around it. No fruits were present.

Rudbeckia hirta--possible 2X mutant

Peoria (4862)

The only plant among many around it that drew attention due to its rays and discs being twice the normal size. The lower 1/3 of the rays were a normal yellow color and the tip 2/3 were a dark pumpkin-orange color.

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